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7. The apparatus of claim 1 wherein the

8. \ The apparatus of claim 1 further comprising:

9. The apparatus of claim 8 wherein the balloon

10. The apparatus of claim 8 wherein the distal

11. The apparatus of claim 10 wherein the

12. The apparatus of claim 1 further comprising

13. The apparatus of claim 12 wherein the

14. The apparatus of claim 12 further comprising

15. The apparatus of claim 14 further comprising

venting hole.

16. The apparatus of claim 12 wherein the recovery catheter comprises a radially expandable distal section.

17. The apparatus of claim 16 wherein the radially expandable distal section comprises a wire weave configuration covered by an impermeable membrane.

18. A method for manipulating cerebral blood flow characteristics, the method comprising:

providing apparatus comprising a catheter having proximal and distal ends, a lumen extending therebetween, and an occlusive element affixed to the distal end, and further providing at least one flow control device having proximal and distal ends, and a flow control element disposed at the distal end;

positioning the distal end of the flow control device in a selected vessel in a contracted state;

positioning the distal end of the catheter in a selected vessel in a contracted state;

deploying the occlusive element affixed to the catheter to occlude antegrade flow in the selected vessel; and

deploying the flow control element to control perfusion in the mid-cerebral artery.

19. The method of claim 18 wherein deploying the flow control element occludes antegrade flow in at least a vertebral artery.

20. The method of claim 18 wherein deploying the flow control element occludes antegrade flow in at least

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internal carotid artery.

21. The method employing an occlusive catheter with a recovery catheter as the occlusive element of the catheter assembly, at least a common catheter.

22. The method employing a balloon catheter with a recovery catheter as the occlusive element of the catheter assembly, internal carotid artery.

23. The method employing a catheter with a recovery catheter as the occlusive element of the catheter assembly, providing retrograde flow of blood through the catheter.

24. The method employing a catheter with a recovery catheter as the occlusive element of the catheter assembly, providing a recovery catheter with a recovery catheter in a telescoping arrangement with the occlusive catheter.

25. The method employing a catheter with a recovery catheter as the occlusive element of the catheter assembly, employing an occlusive catheter with a recovery catheter as the recovery catheter.

21. The method of claim 18 wherein deploying the  
live element of the catheter occludes antegrade flow  
at least a common carotid artery.

22. The method of claim 18 further comprising  
 ing a balloon configured to occlude flow in an  
 al carotid artery.

23. The method of claim 18 further comprising  
ing retrograde flow through the lumen of the  
er.

24. The method of claim 18 further comprising  
 a recovery catheter having proximal and distal  
 a telescoping motion in and out of the first  
 er.

25. The method of claim 24 further comprising  
ing an occlusive element affixed to the distal end  
recovery catheter.

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